

NKL Edge Software User Manual

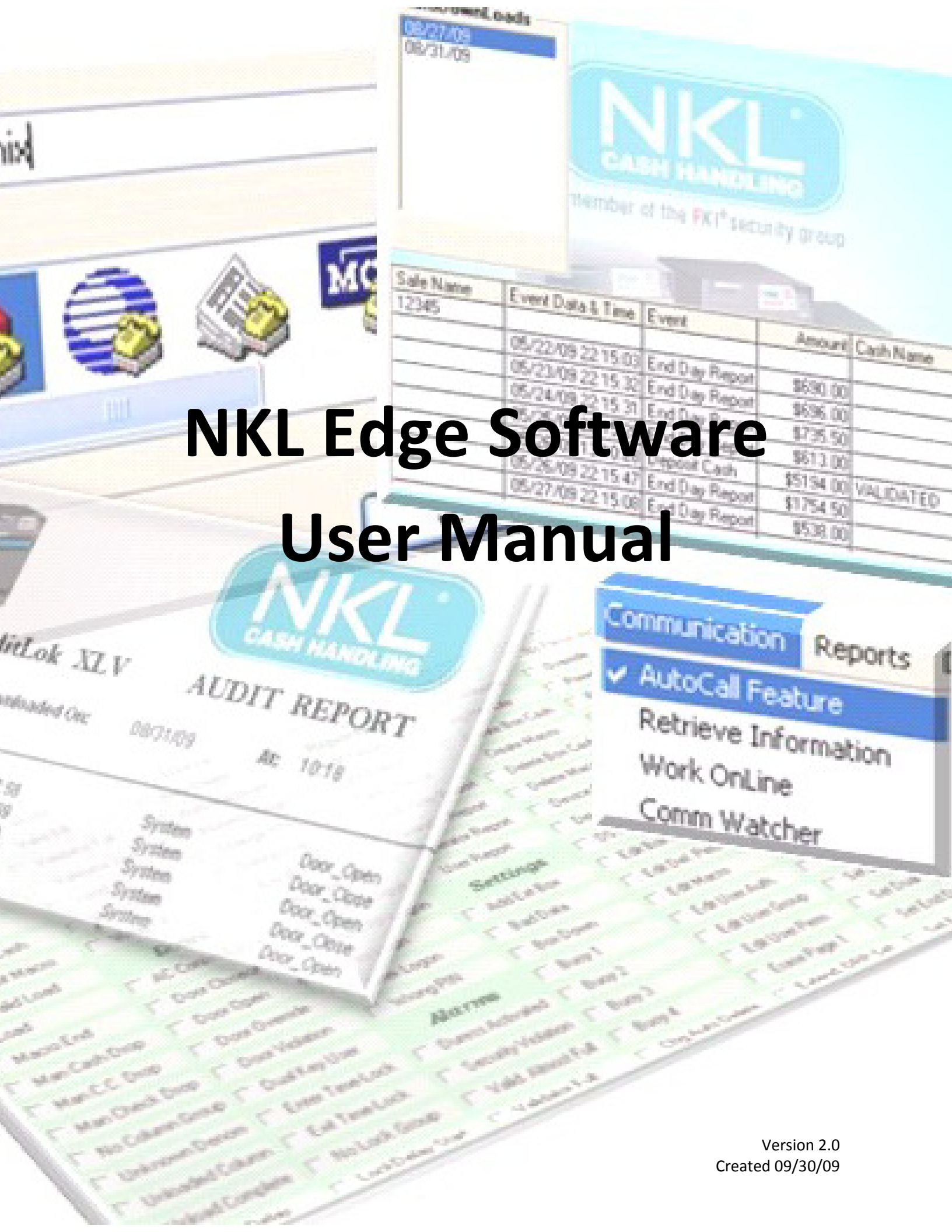


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1. Introduction

This document covers the installation and operating instructions for **NKL Edge** software and **NKL Edge Plus** software. This document does not cover the details of operating the equipment that the software interfaces with. It is assumed that the user understands the hardware and/or has the necessary hardware documentation.

Edge Software

The Edge software package allows remote interface with NKL Autobank or Intellisafe cash handling safes equipped with AuditLok XLV electronics. Edge software allows manual or automatic calling to the safes for the retrieval of audit data, user information, and component configuration information. To use Edge software, the safe electronics must be revision 3.0 or higher.

Edge Plus Software

The Edge Plus software package includes all features found in the Edge application, but adds the capability to set nearly any parameter in the safes including managing users, setting component parameters, and so forth. To use Edge Plus software, the safe electronics must be revision 3.0 or higher.

AuditLok XLV

The AuditLok XLV electronics is used on various NKL Intellisafe and Autobank products. This electronics allows complete auditing operations for both security and financial uses. This system provides access control to cash handling equipment and tracks all user traffic and all money entering manual or validated drops, all money being removed for bank deposit, and money entering or exiting through dispensing hardware.

2. PC Hardware and OS Requirements

Edge and Edge Plus software must be installed onto a PC running a Windows operating system (OS). Basic hardware requirements must also be met for the software to run and for the connection to be made to an AuditLok XLV system. The following section will detail these requirements and specifications.

Supported Windows Operating Systems

- **Windows 98 (Requires 2nd Edition, Latest Updates must be installed)**
- **Windows NT4 (Service Pack 6 Required)**
- **Windows 2000 (Service Pack 2 required)**
- **Windows Me**
- **Windows XP**
- **Windows Vista**

Minimum PC Hardware Requirements

- **Processor - 233 MHz Pentium II or better**
- **Free Hard Drive Space – 50 MB minimum, 40 GB or more recommended**
- **CD- ROM Drive**

Connection Methods

(PC must be equipped with one of the following)

- **56K Modem**
- **Ethernet network interface card w/ TCP/IP protocol installed and configured properly**
- **RS-232 serial port configured for 9600 N81 communication.**

3. Software Installation and Activation

The provided installation CD will be used to install the Edge or Edge Plus software onto your PC. The following section will guide you through the software installation process:

- 1) Insert the CD into the CD-ROM drive of the PC. The installation application should automatically start. ***If the application started automatically, continue directly to step 3.***
- 2) If the installation application did not start when the CD was inserted into the drive, open the CD in Windows Explorer. Locate and launch the **nkledge.exe** file (Fig. 3.1).

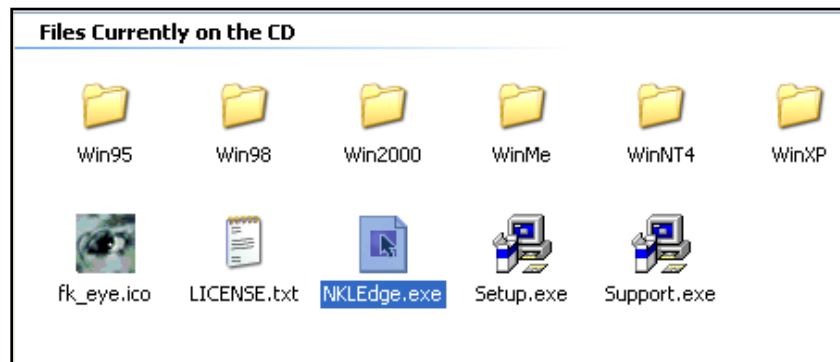


Fig 3.1

- 3) Once the install application has been launched, left-click **INSTALL NKL EDGE** (Fig. 3.2)

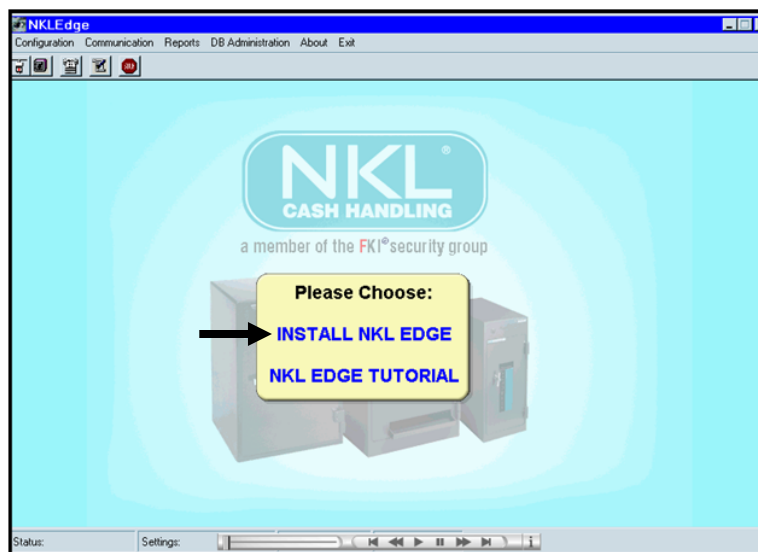


Fig 3.2

- 4) Select **Next** (Fig. 3.3), **accept the License agreement**, and then select **Next** again to continue (Fig. 3.4)

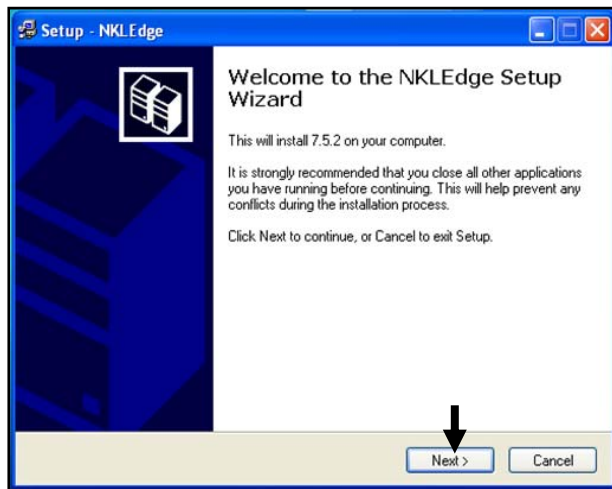


Fig. 3.3

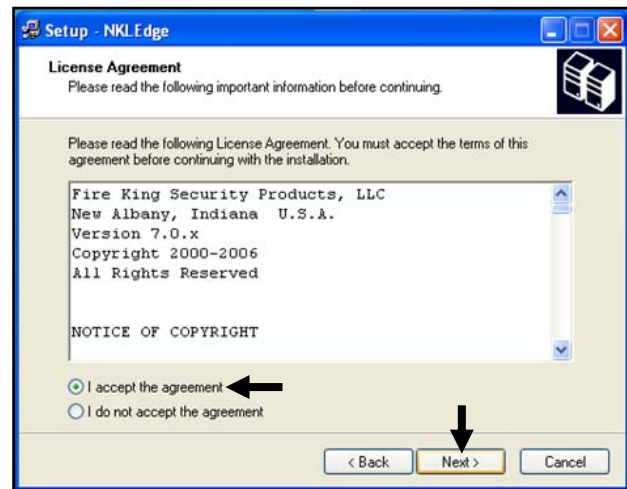


Fig. 3.4

- 5) You may now enter the User Name and Organization if you wish (Fig. 3.5), once finished select **Next** to continue.

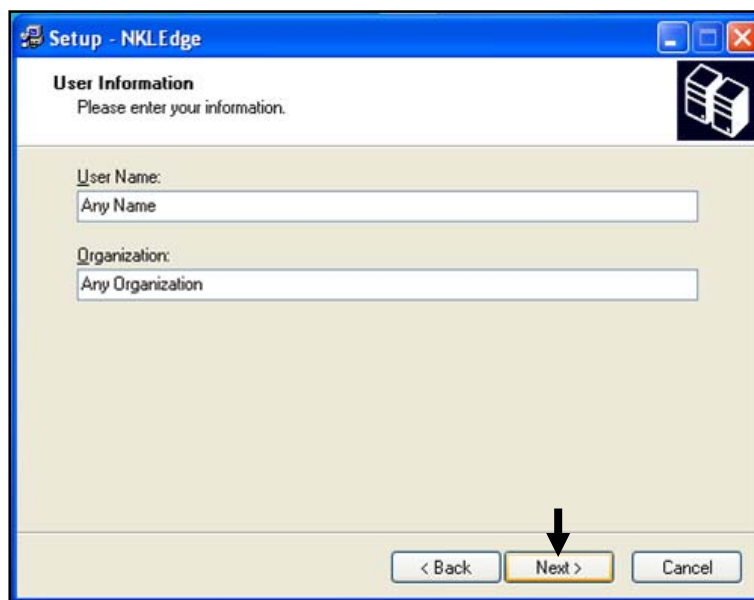


Fig 3.5

- 6) The next screen asks you to specify the destination directory where all the program files will be stored. **It is highly recommended that you keep the default directory path (C:\Program Files\NKLEdge).** If you do change the destination path, you must make additional changes to the Edge program after the install has been completed. Select **Next** after the destination directory is set (Fig. 3.6). Select **Yes** when asked if you want to create the directory.

- 7) On the next screen (Fig 3.7), select which version (97 or 2000) of Microsoft Access that you would like Edge software to be compatible with. If you are unsure, or if Microsoft Access is not installed on your PC, select Access 97. Select **Next** when finished.

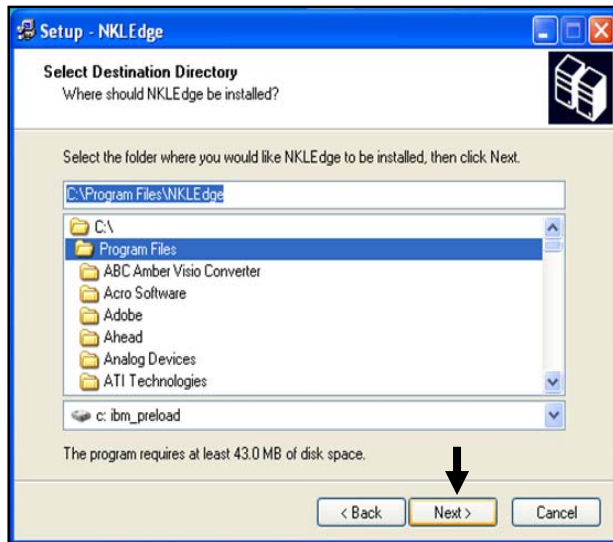


Fig. 3.6

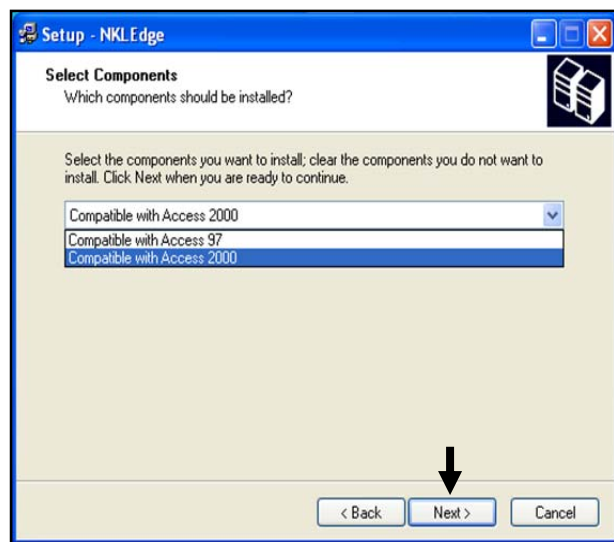


Fig 3.7

- 8) Choose the Start Menu folder (default folder **NKLEdge** recommended), that the program will be installed to and then select **Next** (Fig. 3.8). On the next screen, click Install to start the process (Fig. 3.9 and 3.10).

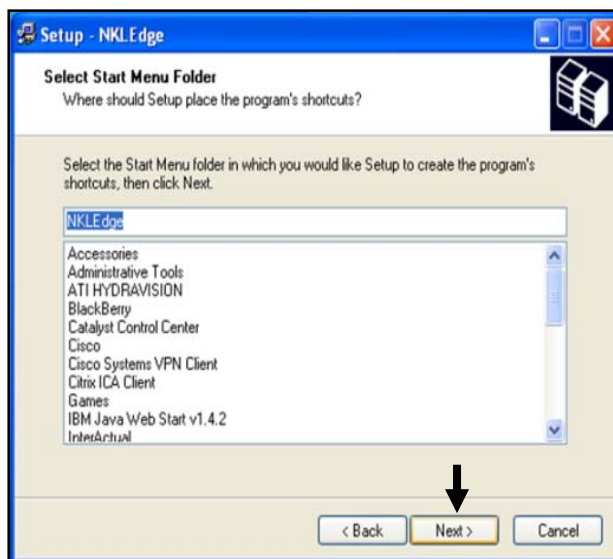


Fig. 3.9

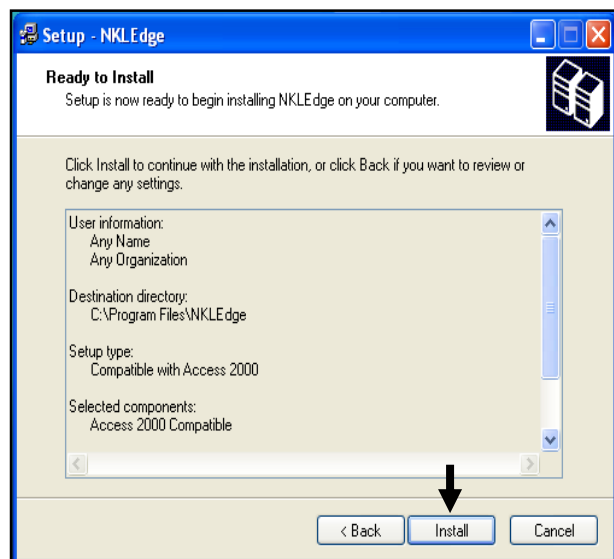


Fig. 3.10

- 9) After the install process is complete, choose to restart your computer and then click **Finish** to finalize the software installation process.

- 10) You must now activate the Edge software you have just installed. After your PC has rebooted, start Edge software on your PC. Type in “**admin**” for both the User name and Password fields (Fig. 3.11).

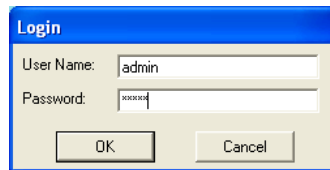


Fig. 3.11

- 11) Select **Help** at the top of the program and then select **About** (Fig. 3.12).

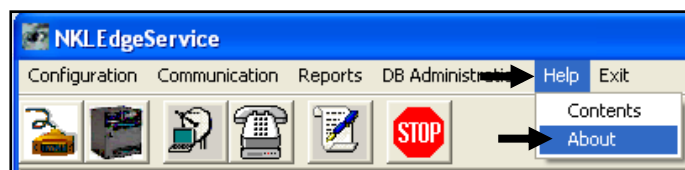


Fig. 3.12

- 12) Double left-click the NKL icon (Fig. 3.13a) and the registration screen will appear (Fig 3.13b).



Fig. 3.13a

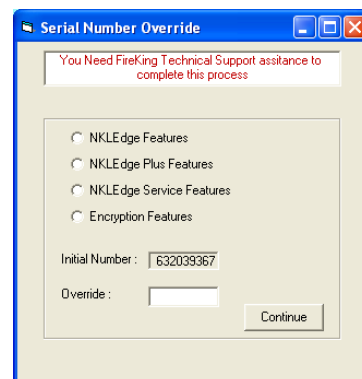


Fig. 3.13b

- 13) Immediately call FireKing Technical Support at 1-800-457-2424. A Fireking phone technician will then guide you through the rest of the Edge Software activation process.

- 14) Please continue to the following section(s) based on connection method being used to connect your PC to the XLV safe:

Connection Type	Read Section(s)...
Network Interface	4 and 6.1
External Modem	5 and 6.2
RS-232 Serial	6.3

4. Setting up a Lantronix Device Server

To connect a PC to an NKL electronics safe via network connection, a Lantronix Device Server must be used. This device along with all necessary cables and supplies is available as a kit that can be ordered. The Lantronix Device Server must be set up in order for it to function properly. To do this, the **Lantronix Device Server must first be connected to a PC via modem cable and then set up.** Below are the instructions on setting up a Lantronix Device Server. Please take note that some of the steps are very time sensitive, so it is suggested that you read the entire section before beginning:

Lantronix Device Setup Procedure

Necessary Supplies:

- A PC equipped with a properly configured TCP/IP protocol network port/card and a free serial port
 - Lantronix Device Server w/ included power, modem, and Cat - 5 cables
- 1) Connect the 25 pin end of the modem cable to the Lantronix Device Server (Fig. 4.1a).
Connect the power cable to the Lantronix Device (Fig. 4.1b).



Fig. 4.1a



Fig. 4.1b

- 2) Connect the other end of the modem cable to a free serial port on the PC (Fig. 4.2).



Fig 4.2

- 3) Run the HyperTerminal application on the PC. This can usually be found in the **Start Menu – Accessories – Communications – HyperTerminal (Fig. 4.3)**. HyperTerminal may be in a different location depending in the operating system being used.

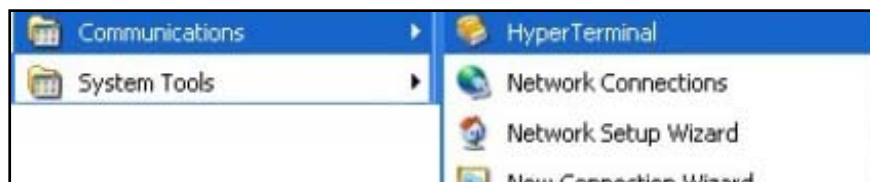


Fig. 4.3

- 4) Once HyperTerminal has started, type in any name, choose any icon that you wish, and then select **OK** (Fig. 4.4).

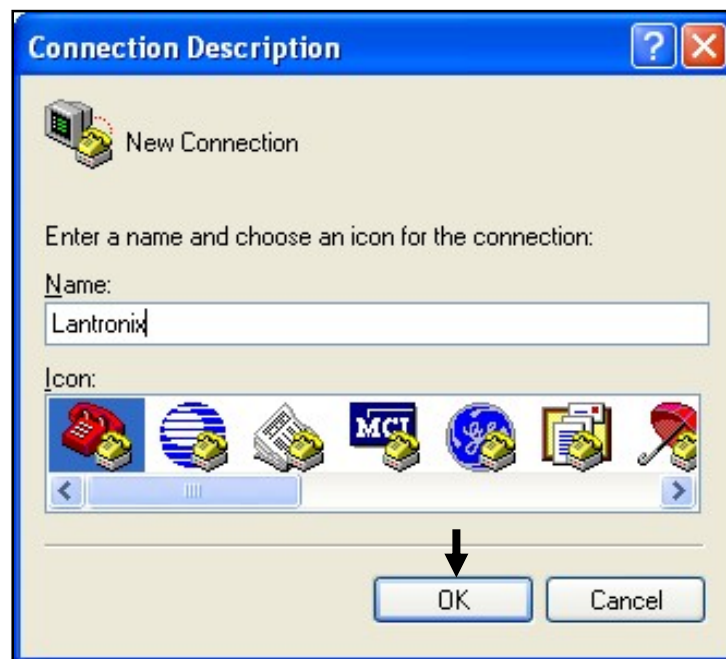


Fig. 4.4

- 5) On the next screen, use the drop down box next to “**Connect using:**” to choose the serial port on your PC that the Lantronix Device is currently connected to (Fig. 4.5). This is *usually* COM 1 or COM 2, but may be different depending on the configuration of the PC being used.



Fig. 4.5

- 6) On the following screen, verify or change the settings as needed so that they are as follows, then select **OK** (Fig. 4.6).

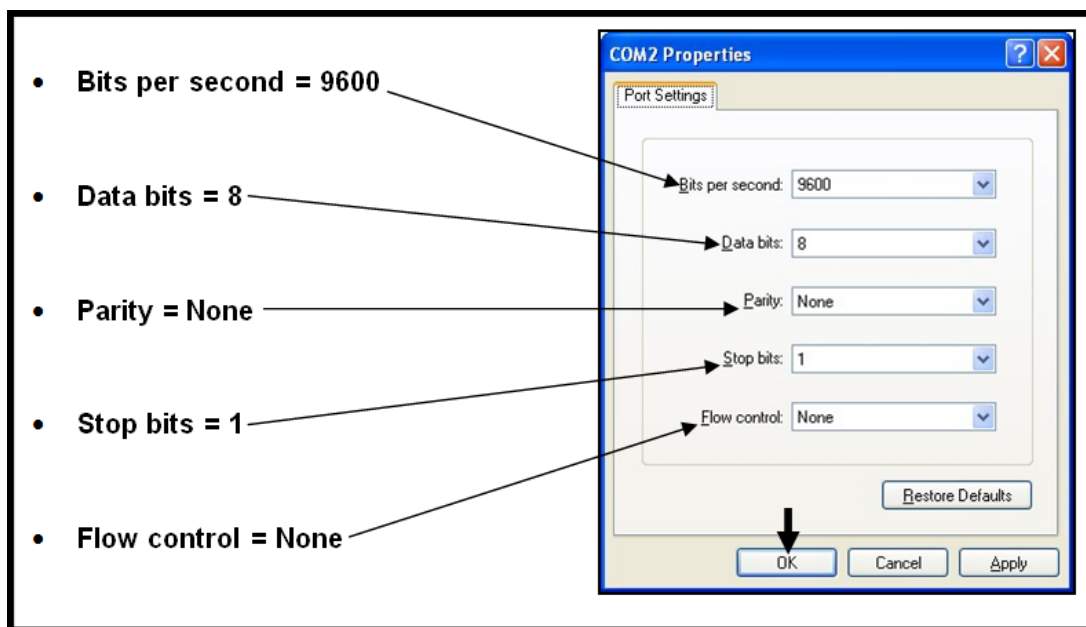


Fig. 4.6

*****STOP*****

Steps 7 and 8 Require Precise and Quick Timing: Please Read Them Carefully

- 7) The Lantronix Device must now be put into Setup mode. Cycle power to the Lantronix Device by unplugging it and then plugging it back in. **As soon as the Lantronix device is plugged back in, rapidly press “x” key (must be lower case) until the screen pictured below (Fig. 4.7) appears on the HyperTerminal screen. This process must be done before the status lights go green on the device.** If the screen below does not appear, make sure that HyperTerminal is still open and the Lantronix device is connected via modem cable to the PC serial port. Retry step 7 until successful.



Fig. 4.7

- 8) After initiating the process in step 7, **you must immediately press the Enter key** to enter Setup mode. If you fail to do so in time you will see the following (Fig 4.8):

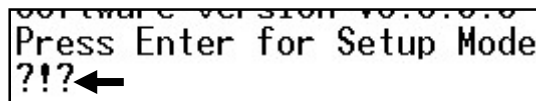


Fig. 4.8

If you see the above error indication then you must try to initiate Setup mode again. Retry steps 7 and 8. If steps 7 and 8 were performed correctly, you will see the following information displayed at the bottom of the HyperTerminal screen (Fig. 4.9):

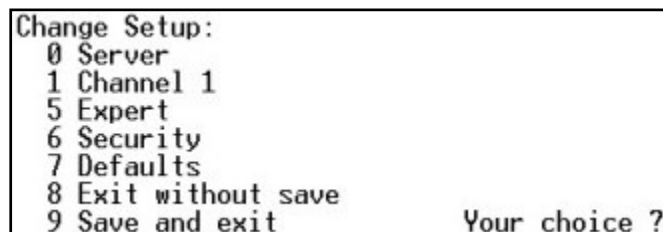


Fig. 4.9

- 9) Press “0” on the keyboard and then press **Enter**. Setup will ask for an IP Address, separated into sets of 3 numbers, that you want to assign to the Lantronix Device. Press **Enter** after entering each 3-number set to continue until all 4 sets are entered (Fig. 4.10).

```
IP Address : (192) .(168) .(001) .(002)
```

Fig. 4.10

- 10) You may also set a Gateway IP address if needed. Typing **Y** and then **Enter** will bring up a list of Gateway options (Fig. 4.11). If setting up a Gateway IP is unnecessary, type **N** and then **Enter** to return to the main menu of the setup screen (Fig. 4.9).

```
Set Gateway IP Address (N) ? Y
Gateway IP addr (000) 192.(000) 168.(000) 250.(000) 1
Netmask: Number of Bits for Host Part (0=default) (8)
Change telnet config password (N) ?
```

Fig 4.11

- 11) Press **1** and then **Enter** to configure channel 1 of the Lantronix Device as follows (Fig. 4.12):

<ul style="list-style-type: none">o Baudrate = 9600o I/F Mode = 4Co Flow = 00o Port No = 03729o ConnectMode = C0o Remote IP Address = 000.000.000.000o Remote Port = 00000o DisConnMode = 00o FlushMode = 77o DisConnTime = 00:00o SendChar 1 = 00o SendChar 2 = 00	<pre>Baudrate (9600) ? I/F Mode (4C) ? Flow (00) ? Port No (03729) ? ConnectMode (C0) ? Remote IP Address : (000) .(000) .(000) .(000) Remote Port (00000) ? DisConnMode (00) ? FlushMode (77) ? DisConnTime (00:00) ? SendChar 1 (00) ? SendChar 2 (00) ?</pre>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Fig. 4.12

- 12) When returned to the main menu of the setup screen, press **9** and then **Enter** to save all changes and exit setup.
- 13) Remove the serial modem cable from the Lantronix device and the PC.

- 14) Connect the Lantronix to your network using a Cat-5 cable (Fig. 4.13)



Fig. 4.13

- 15) The network setup and connection on the Lantronix Device can now be tested and verified. Open up the DOS command prompt (Fig 4.14) by going to **Start Menu – Run – type in cmd – click OK.**

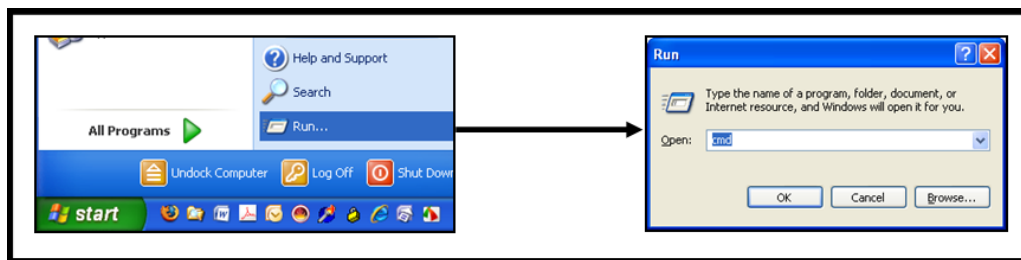


Fig 4.14

- 16) On the DOS screen, type in **telnet 192.168.001.002 9999** and then press **Enter** (Fig. 4.15). Note that the IP address in this command line used the default IP address. **If you changed the IP Address to something different in step 9, that will be entered in place of the default IP and will be followed by 9999.** If successfully completed you will now be connected to the Lantronix Device through the network.

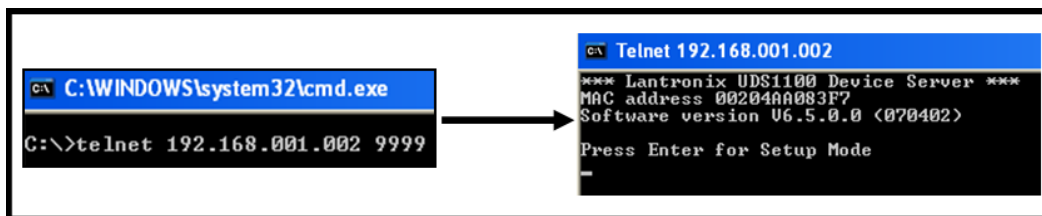


Fig. 4.15

- 17) Pressing **Enter** will open up a setup program nearly identical in function and layout to the set up program used in HyperTerminal. You may change or verify all settings on the Lantronix Device using the telnet screens. When finished close the Window. The Lantronix Device Server is now fully set up and functional. It will now need to be connected to an AuditLok XLV safe. Please refer to **Section 6: Hardware Connections** for detailed instructions.

5. Setting up an External Modem

To connect a PC to an AuditLok XLV safe via modem connection, 2 dial up modems must be used: one connected to the PC running Edge Software and another connected to the XLV safe. This section covers how to set up the modem that will be connected to the safe. Below are the instructions on setting up an external modem for use with Edge Software.

While it is highly recommended that the Zoom modem kit supplied by FireKing is used, any compliant modem may be used instead. The modem used must meet the following requirements:

- 100% AT Command Set Compatible
- V.34 Compliant
- V.42 Compliant
- V.90 Compliant
- Auto-Answer
- Auto-negotiates to achieve fastest connection possible

External Modem Setup Procedure

Necessary Supplies:

- A Windows OS PC with a free serial port
 - Zoom External Modem w/ included modem and power cable
- 1) Connect the 25 pin end of the modem cable to the external modem (Fig. 5.1a). Connect the remaining end of the modem cable to a PC serial port (Fig. 5.1b).



Fig 5.1a



Fig 5.1b

- 2) Connect the power cable to the modem and power it on.

- 3) Run the HyperTerminal application on the PC. This can usually be found in the **Start Menu – Accessories – Communications – HyperTerminal (Fig. 5.2)**. Please keep in mind that HyperTerminal may be in a different location on different operating systems.



Fig. 5.2

- 4) Once HyperTerminal has started, type in any name, choose any icon that you wish, and then select **OK** (Fig. 5.3).

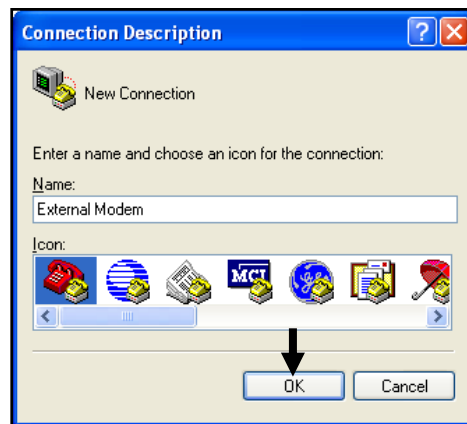


Fig. 5.3

- 5) On the next screen, use the drop down box next to “**Connect using:**” to choose the serial port on your PC that the Lantronix Device is currently connected to (Fig. 5.4). This is *usually* COM 1 or COM 2, but may be different depending on the configuration of the PC being used.

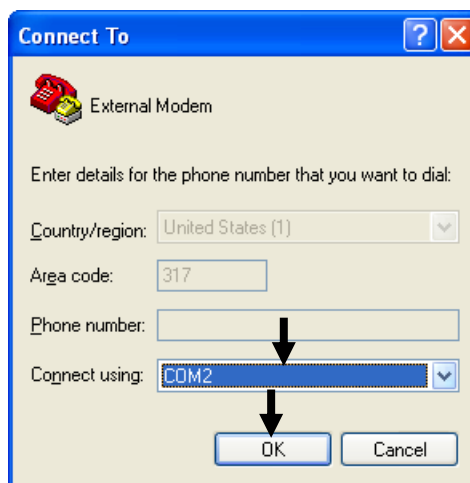


Fig. 5.4

- 6) On the following screen, verify or change the settings as needed so that they are as follows, then select **OK** (Fig. 5.5).

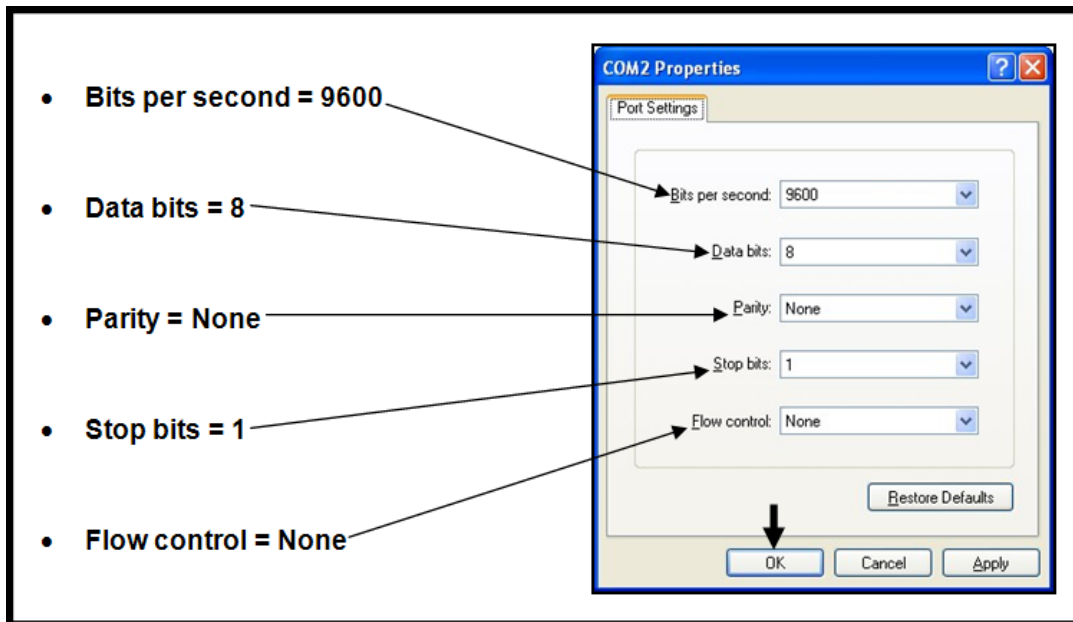


Fig. 5.5

- 7) You will now type in a series of commands (one at a time) into HyperTerminal. Once each command is entered, you should get a response of **OK** (Fig. 5.6). The following is a list of the commands that should be entered:

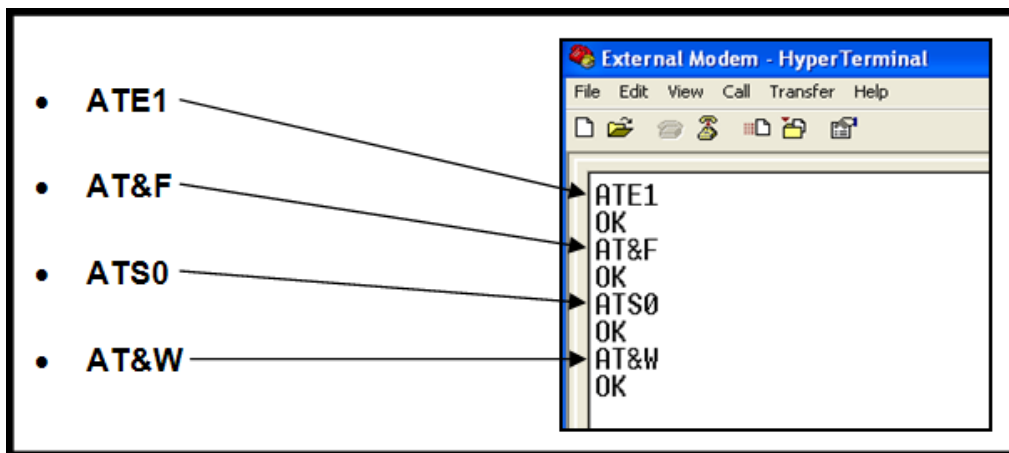


Fig. 5.6

- 8) The modem has now been set up and tested. You may now close the HyperTerminal program and remove the modem cable running from the modem to the PC. The external modem will now need to be connected to an AuditLok XLV safe. Please refer to **Section 6: Hardware Connections** for detailed instructions.

6. XLV Hardware Connections

You must now connect the AuditLok XLV unit using one of the connection methods. As previously mentioned, 3 connection methods are possible depending on the configuration of your PC: a network interface connection, external modem to modem connection, or RS-232 direct serial connection. The following section will cover all 3 types of connections including necessary supplies and connection instructions.

6.1 Network Interface Connection

A network interface connection requires that the on-site network is configured properly by an IT professional so that the XLV can communicate properly to the PC running Edge software. ***It is assumed that the Lantronix Device Server used in this procedure has been properly set up as described in Section 4 of this manual.***

Necessary Supplies:

- Correctly configured Lantronix Device Server
 - PC running Edge software that is connected to the on-site network
 - T-15050095 Cable
- 1) Connect the T-15059095 cable to the correct port on the back of the XLV “C” unit (Fig. 6.1). **The port may be labeled “MODEM” or EDGE** depending on the safes date of manufacture.



Fig. 6.1

- 2) Connect the remaining end of the T-15050095 connector to the RS-232 Port of the Lantronix Device Manager (Fig. 6.3).



Fig. 6.3

- 3) If you have not already done so, connect the Lantronix Device to the on-site network using a CAT 5 patch cable (Fig. 6.4). Make sure the Lantronix Device is plugged in and powered up. The XLV safe is now connected to your network.



Fig. 6.4

6.2 External Modem Connection

In the following procedure, it is assumed that the external modem used in this procedure has been properly set up and tested as described in Section 5 of this manual.

Necessary Supplies:

- Correctly configured Zoom External Modem
 - An analog phone line that can be connected to the external modem
 - T-15050095 Cable
- 1) Connect the T-15050095 cable to the correct port on the back of the XLV “C” unit (Fig. 6.5). **The port may be labeled “MODEM” or “EDGE”** depending on the safes date of manufacture.



Fig. 6.5

- 2) Connect the remaining end of the T-15050095 Cable to the external modem (Fig. 6.6).



Fig. 6.6

- 3) If you have not already done so, connect the modem to an analog phone line and make sure the modem is plugged in and powered up. The XLV safe is now connected to your modem.

6.3 Direct Serial Connection

Necessary Supplies:

- T-15050096 Adaptor
- Standard CAT 5 Patch Cable

- 1) Connect a CAT 5 patch cable to the correct port on the back of the XLV “C” unit (Fig. 6.7). **The port may be labeled “MODEM” or “EDGE”** depending on the safes date of manufacture.



Fig 6.7

- 2) Connect the remaining end of the CAT 5 cable to the T-15050096 adaptor (Fig. 6.8).



Fig 6.8

- 3) Connect the remaining end of the adaptor directly to the serial port of the PC running Edge Software. The XLV safe is now connected to your PC.

7. Configuration Menu

The Configuration Menu allows you to configure the serial ports of your modem or cable, manage software users, and register a list of safes available for communication.

7.1 Application Users

This section will cover how to manage users with Edge software. Up to 100 users may be enrolled in Edge Software. Each user will have a unique name and password. Each user is assigned either Admin permissions or standard User permissions when they are enrolled:

- **Admin**

Can generate and view reports and work online, modify application users and has access to database administration features

- **User**

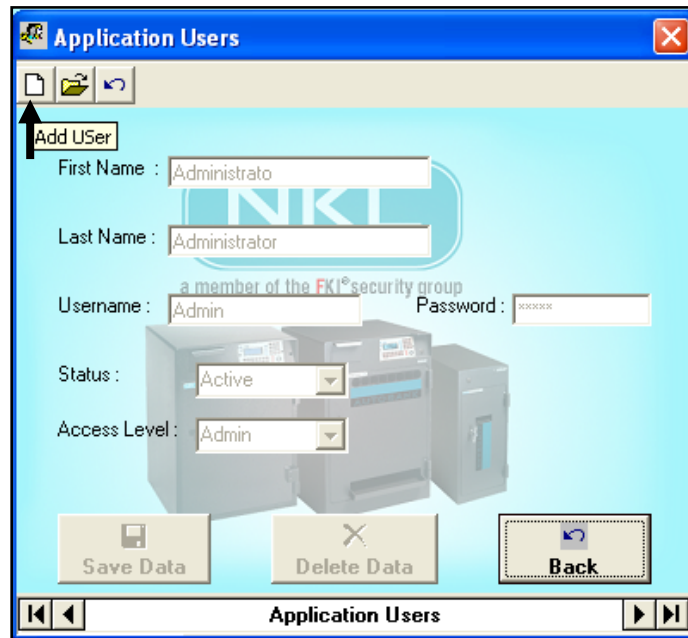
Can generate and view reports only.

- 1) Begin by selecting **Configuration** at the top of the program and then select **Application Users** (Fig 7.1).



Fig. 7.1

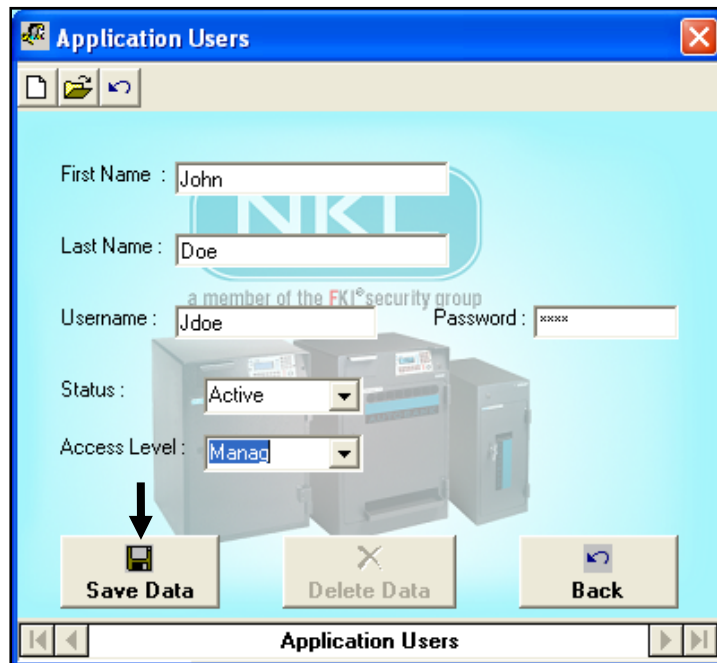
- 2) The Application Users Window will now be visible. Select the Add User Icon at the top left of this box to add a new user (Fig. 7.2).



The screenshot shows the 'Application Users' window with a blue title bar. Below the title bar is a toolbar with three icons: a document, a folder, and a circular arrow. An arrow points to the document icon, which is labeled 'Add User'. The form contains the following fields: 'First Name' with the value 'Administrato', 'Last Name' with the value 'Administrator', 'Username' with the value 'Admin', and 'Password' with masked characters 'XXXXXX'. There are two dropdown menus: 'Status' set to 'Active' and 'Access Level' set to 'Admin'. At the bottom are three buttons: 'Save Data' (with a floppy disk icon), 'Delete Data' (with a trash can icon), and 'Back' (with a circular arrow icon). The background features a large 'NKT' logo and a faint image of a server rack.

Fig. 7.2

- 3) Fill in all User information and permissions as desired (Fig. 7.3). Select the **Save Data** button when finished. Repeat this process until all users are entered.



This screenshot shows the 'Application Users' window with the same form as Fig. 7.2, but with updated information: 'First Name' is 'John', 'Last Name' is 'Doe', 'Username' is 'Jdoe', and 'Access Level' is 'Manag'. An arrow points to the 'Save Data' button. The 'Status' dropdown remains 'Active'. The 'Password' field is masked with 'XXXXXX'. The 'NKT' logo and server rack background are also present.

Fig. 7.3

- 4) To edit or delete an existing user, first use the scroll arrows at the bottom of the window until the user you want to edit is visible. Select the **Edit User** button at the top of the window to edit a user, or select the **Delete Data** button at the bottom of the window to permanently delete that particular user (Fig. 7.4).

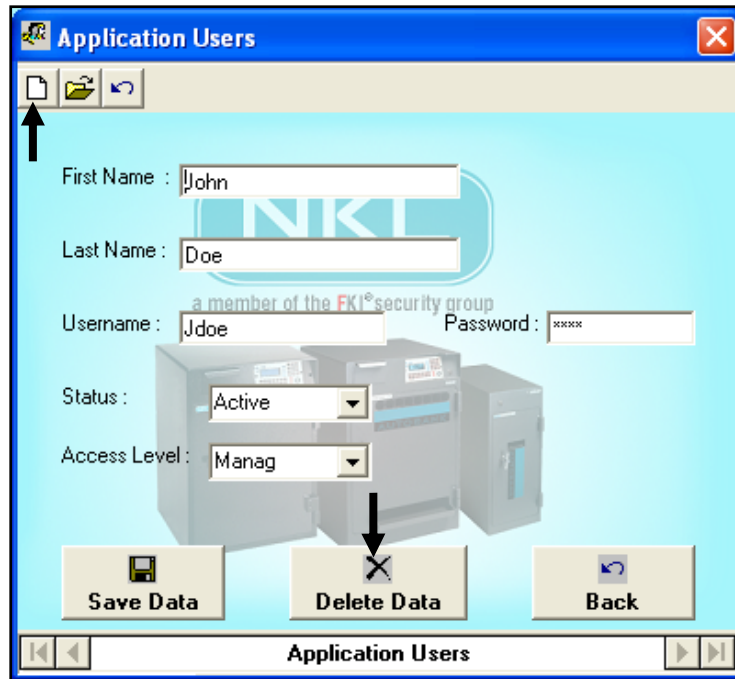


Fig. 7.4

7.2 Serial Ports

If using the dial up modem or direct serial connection method, you must specify which com port is to be used within Edge software.

- 1) Select **Configuration** at the top of the program and then select **Serial Ports** (Fig 7.5).



Fig. 7.5

- 2) The Serial Ports Window will appear (Fig. 7.6). Select the correct serial port for the type of connection you are using (serial or dial up modem). Select **OK** when finished.

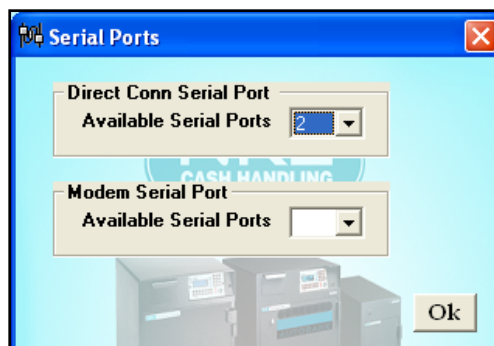


Fig. 7.6

7.3 Systems

Before you can connect and pull information from a system, you must first define the systems available to call. The Systems option is used to create, edit, or delete cash handling safe systems from your master database.

- **Adding a Group**

Groups are used to cluster systems so that several systems may be called together on the same schedule. This is most frequently done when managing several locations. Often groups are used to arrange systems by market area. If the groups feature is to be used, it should be set up before individual systems are setup.

- 1) Select **Configuration** at the top of the program and then select **Systems** (Fig 7.7). The System Information window will appear.



Fig. 7.7

- 2) Select the **Add Group** icon at the top of the System's Information window (Fig. 7.8)

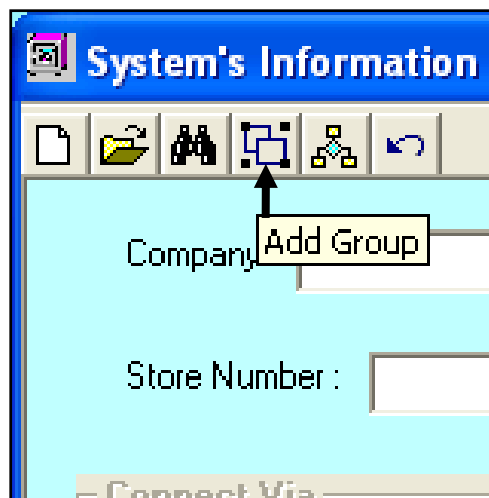


Fig. 7.8

- 3) Click the **Add Group** icon in the group window (Fig. 7.9) and then enter the appropriate information into the fields:

- **Group Name** – Name of the group
- **Daily Auto Call** – Enables/Disables Auto Call Feature for the group
- **Frequency** – Specify how often Auto Call will be used. Options are Daily, Weekly, and Monthly. Once the frequency is selected select next to further customize Auto Call for the group

Select **Save Data** when finished. Repeat as needed until all groups have been added.

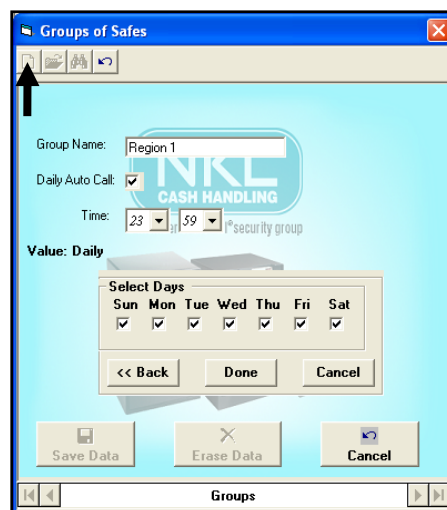


Fig. 7.9

- 4) To edit or delete an existing group, first use the scroll arrows at the bottom of the window until the group you want to edit is visible. Select the **Edit Current Record** button at the top of the window to edit the selected group. When finished editing select the **Save Data** button to save all changes. To delete a group, select the **Erase Data** button at the bottom of the window (Fig. 7.10).

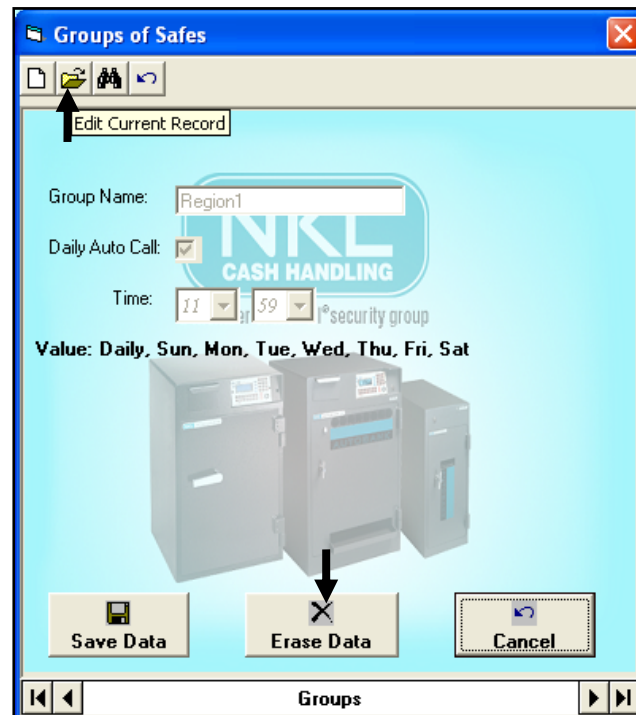


Fig. 7.10

- **Adding a System**

Systems must now be added to the Edge Software database

- 1) Select **Configuration** at the top of the program and then select **Systems** (Fig 8.11). The System Information window will appear.

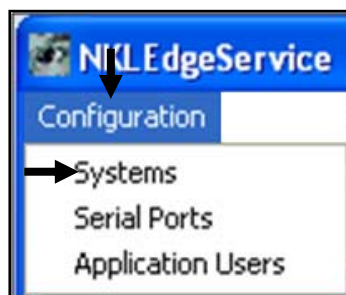


Fig. 7.11

2) Create a company name using the Company icon (Fig. 7.12a). ***This procedure will normally be done with the assistance of a FireKing Phone Technician during the product Activation process described in Section 7.***

- **Company Name** – Name of your company
- **Software Serial Number** – Required to use Edge Software. *Given to you by a FireKing phone technician during the product activation process. This same number must also be entered into any XLV safes that you will be connecting to.*
- **Maximum Retries** – If Auto Call fails to connect, this is the number of times that Edge will retry the connection before stopping
- **Maximum Time** – If Auto Call fails to connect, this is the time of day that Edge will stop trying to connect

Select **Save Data** when finished entering the company name and then close the company window to return to the System's Information window (Fig 7.12b).



Fig. 7.12a

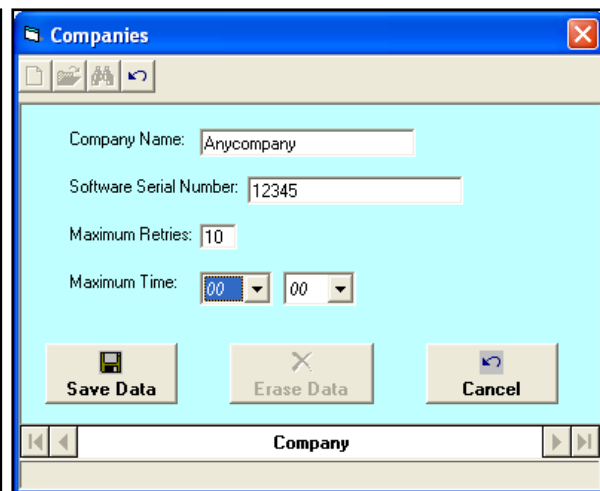


Fig. 7.12b

3) Select the **Add Safe** Icon at the top left portion of the window to add a system (Fig. 7.13).

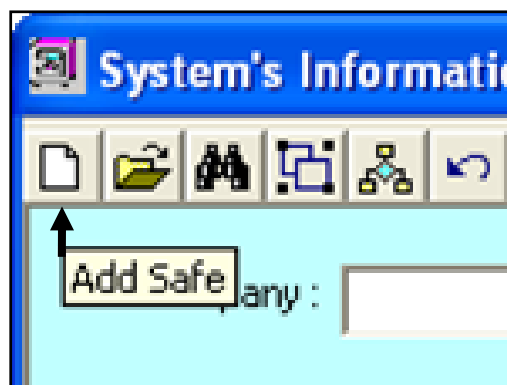


Fig. 7.13

- 4) The System's Information window has been broken up into smaller sections for the purposes of this manual. Refer to Figure 7.14 and then read the corresponding step to learn more about each individual section if the System's Information window.

The screenshot shows the 'System's Information' window with the following sections and step annotations:

- Top Section:** Contains fields for 'Add Safe', 'Company' (dropdown), 'Store Group' (dropdown), 'Serial Number' (dropdown), 'Store Number' (dropdown), and 'Store Name' (text field). **Step 5** is annotated over the 'Store Group' and 'Serial Number' fields.
- Connect Via Section:** Includes radio buttons for 'Direct Cable', 'Modem', and 'Network'. Below are fields for 'IP Address', 'Port', and 'Phone Number'. **Step 6** is annotated over the 'IP Address' and 'Port' fields.
- Location Section:** Includes fields for 'Address', 'City', 'State' (dropdown), 'Country' (dropdown), and 'Zip'. **Step 7** is annotated over the 'City' and 'State' fields.
- AutoCall Information Section:** Includes a checkbox for 'Activate Auto Call', a 'Time' dropdown, 'Maximum Retries' (text field), 'Maximum Time' (dropdown), and 'Status: OFF'. **Step 8** is annotated over the 'Status: OFF' text.
- Bottom Section:** Contains buttons for 'Print', 'Delete Data', and 'Close'. **Step 9** is annotated over the 'Delete Data' button.
- Status Bar:** At the bottom, it shows 'Sales', '3:21 PM', '8/24/2009', 'CAPS', and 'INS'.

Fig. 7.14

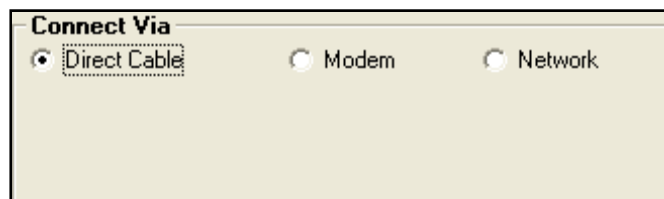
- 5) Select a company and group if entered previously. Although any serial number may be used, enter the serial number of that stores "C" unit into the serial number field if possible. Enter the store name and store number into the corresponding fields.

This close-up shows the top section of the window with the following values:

- Company: Anycompany
- Store Group: Region1
- Serial Number: 2003022969
- Store Number: 1
- Store Name: Anystore

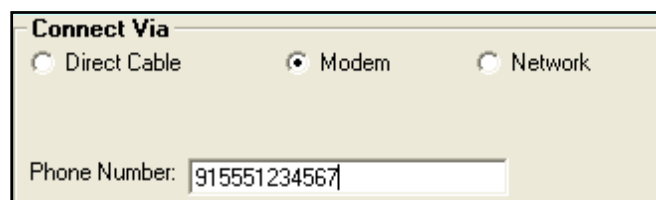
6) Select the Connection Method that will be used to connect your PC to the safe.

- **Direct Cable** – If using a Direct Connection, simply select the **Direct Cable** option.



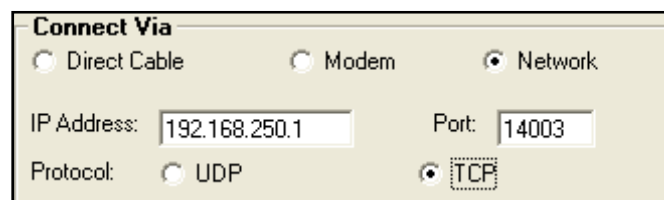
The 'Connect Via' dialog box has a title bar 'Connect Via'. It contains three radio buttons: 'Direct Cable' (which is selected), 'Modem', and 'Network'.

- **Modem** – If using a dial up Modem, select the **Modem** option and then type in the phone number of the modem attached to the safe. If a number needs to be entered before you can make an outgoing call (usually 8 or 9), be sure to include this at the front of the phone number.



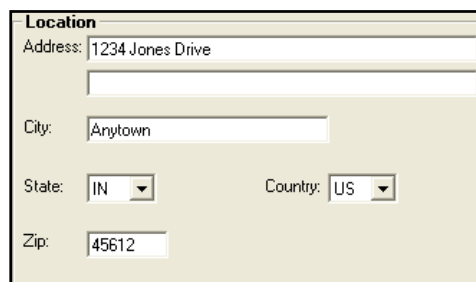
The 'Connect Via' dialog box has a title bar 'Connect Via'. It contains three radio buttons: 'Direct Cable', 'Modem' (which is selected), and 'Network'. Below the radio buttons is a text field labeled 'Phone Number:' containing the value '915551234567'.

- **Network** – If using a Network connection select the Network option and then enter the IP Address and Port of the Lantronix Device Server attached to the safe. Both of these values are required. You may also choose between UDP and TCP network protocols.



The 'Connect Via' dialog box has a title bar 'Connect Via'. It contains three radio buttons: 'Direct Cable', 'Modem', and 'Network' (which is selected). Below the radio buttons are two text fields: 'IP Address:' with the value '192.168.250.1' and 'Port:' with the value '14003'. At the bottom, there is a 'Protocol:' label with two radio buttons: 'UDP' and 'TCP' (which is selected).

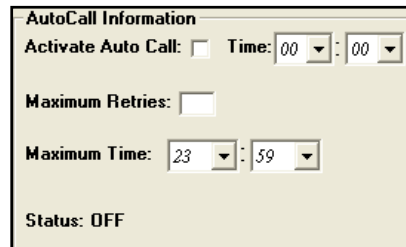
7) Enter the location information of the safe.



The 'Location' dialog box has a title bar 'Location'. It contains several text fields and dropdown menus: 'Address:' with the value '1234 Jones Drive', 'City:' with the value 'Anytown', 'State:' with a dropdown menu showing 'IN', 'Country:' with a dropdown menu showing 'US', and 'Zip:' with the value '45612'.

8) Enter the Auto Call preferences for the site.

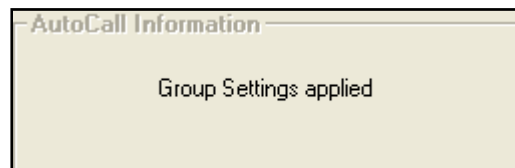
- If no group was selected in step 5, you must enable Auto Call if desired and then specify the time in which Auto Call will occur for that system, the maximum amount of communication retries, and the time of day to stop communication retries.



The 'AutoCall Information' dialog box contains the following fields and controls:

- Activate Auto Call:** A checkbox.
- Time:** Two dropdown menus showing '00' and '00'.
- Maximum Retries:** A text input field.
- Maximum Time:** Two dropdown menus showing '23' and '59'.
- Status:** A label indicating 'OFF'.

- If a group was selected in step 5, the groups Auto Call settings will be applied instead of the system's Auto Call settings.



The 'AutoCall Information' dialog box displays the text 'Group Settings applied' in the center.

9) You may print the systems information (Print), test the Network connection you set up in step 6 (IP Test), save the system information you just entered into the database (Save Data), or close the System's Information window (Close).



10) You may edit a system by first selecting it using the scroll arrows at the bottom of the window and then selecting the **Edit Safe Information** icon (Fig. 7.15). Select the **Save Data** button to save any changes made or **Delete Data** to delete the system from the database.

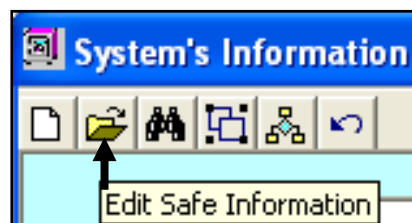


Fig. 7.15

8. Communication Menu

The Communication Menu allows you to enable the Auto Call feature, retrieve information on demand from an XLV safe, set up an XLV safe (Edge Plus only), or enable the Comm Watcher.

8.1 Auto Call Feature

This option enables or disables the Auto Call feature in Edge software. Auto Call is one of the most useful features in Edge software. When it is set up, Auto Call allows all registered safes to call in automatically at the times specified during system setup. When the safes call in, all information from each safe (audit, user, business day, etc.) is populated onto the Edge software database, at which time you can view and print out any information you choose. ***For the Auto Call feature to work, you must have Edge software running or minimized on your PC.***

- To enable the Auto Call feature, simply **select it from the Communication Menu** (Fig. 8.1). A check mark will appear next to the option when it is enabled. The safes will begin populating the database with information at the times you specified in the Configuration Menu setup process.

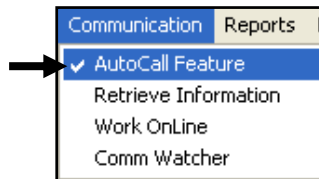


Fig. 8.1

8.2 Retrieve Information

The Retrieve Information Feature lets you call into any registered safe and retrieve specific data from it on demand. To use this feature:

- 1) Select the **Communication Menu** and then select **Retrieve Information** (Fig. 8.2). The Connect and Retrieve Menu will then appear (Fig. 8.3)

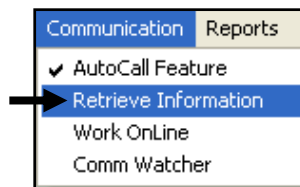


Fig. 8.2

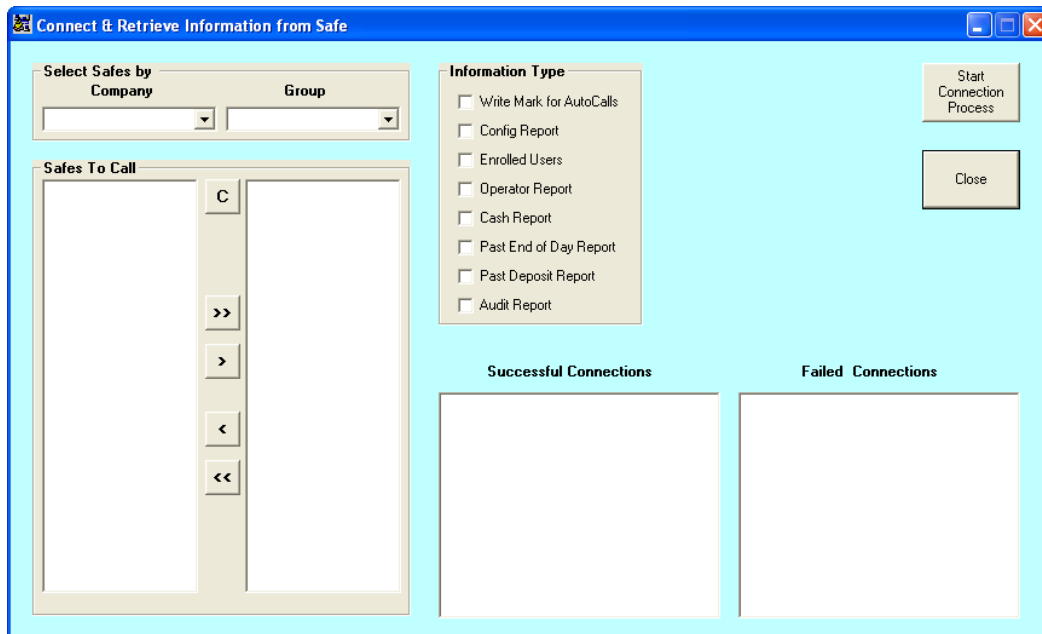


Fig. 8.3

- 2) Select the company, group, or both until the safe(s) you wish to retrieve the information from appear in the left side of the Safes To Call field (Fig. 8.4). Selecting the “>>” button will select all safes, while selecting the “>” button will select each safe individually. After you have selected the safes to call, they will move from the left portion of the field to the right portion (Fig. 8.5).

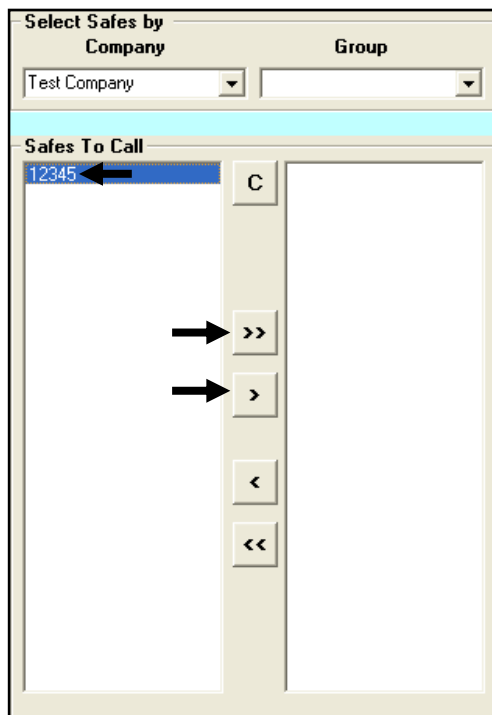


Fig. 8.4

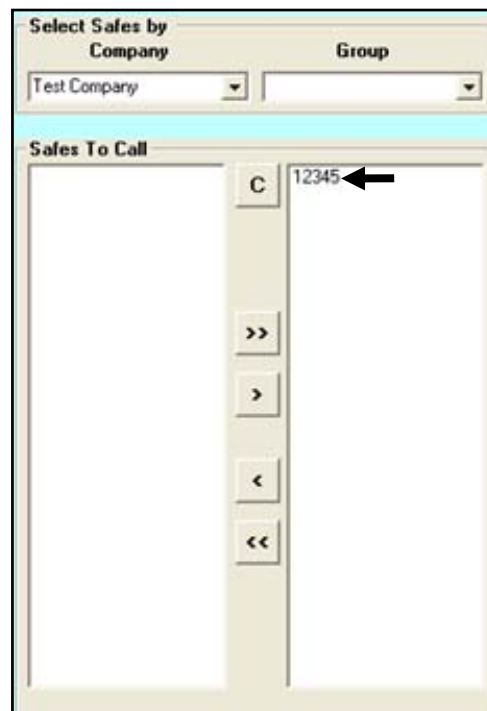


Fig. 8.5

- 3) Select the information that you want to retrieve from the safe(s) by checking the box next to the information type (Fig. 8.6). You may select multiple information types. The types of information are as follows:

<p>a. This feature will only be used on the initial connection during the activation process</p> <p>b. Short report listing the safes in the system</p> <p>c. Lists all enrolled user information, status and permissions.</p> <p>d. Shows net activity*</p> <p>e. Shows actual cash on hand in the system as of the time of the call</p> <p>f. Will reconstruct an End of Day report as it would have looked on the date you specify**</p> <p>g. Recreates any deposit report that was generated on the date you specify**</p> <p>h. All encompassing collection of data detailing the complete history of the system***</p>	<div>Information Type <input type="checkbox"/> a Write Mark for AutoCalls <input type="checkbox"/> b Config Report <input type="checkbox"/> c Enrolled Users <input type="checkbox"/> d Operator Report <input type="checkbox"/> e Cash Report <input type="checkbox"/> f Past End of Day Report <input type="checkbox"/> g Past Deposit Report <input type="checkbox"/> h Audit Report</div> <p>* Selecting this option automatically opens the Users Filter ** Selecting this option automatically opens the Time Range Filter *** Selecting this option automatically opens the Setup Filters option</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Fig. 8.6

- 4) You may choose to pre-filter the data that is downloaded. Filters can be used to customize the data when viewing and printing reports (Fig. 8.7). These filters are detailed in Section 11 of this manual.


<div>Information Type <input type="checkbox"/> Write Mark for AutoCalls <input type="checkbox"/> Config Report <input type="checkbox"/> Enrolled Users <input type="checkbox"/> Operator Report <input type="checkbox"/> Cash Report <input type="checkbox"/> Past End of Day Report <input type="checkbox"/> Past Deposit Report <input checked="" type="checkbox"/> Audit Report</div>	<div>SetUp Filters <input type="checkbox"/> Event Filter <input type="checkbox"/> User Filter <input type="checkbox"/> Time Range Filter</div> 
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Fig. 8.7

- 5) Once you have chosen the information types and filters, select the **Start Connection Process** button at the top right of the window (Fig. 8.8). During the connection process you will be notified of the status of the request (Fig. 8.9).

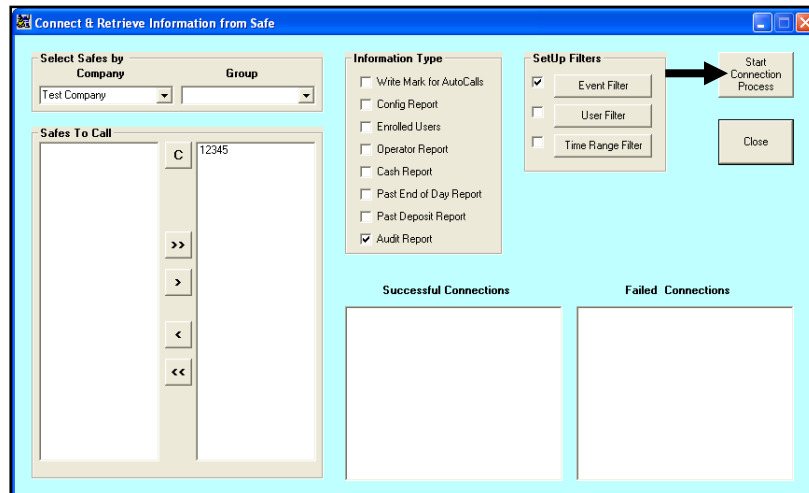


Fig. 8.8



Fig. 8.9

- 6) When the connection process is complete, the status of the procedure is displayed. All successful transmissions will be displayed in green lettering in the Successful Connection field (Fig. 8.10). All unsuccessful transmissions will display an error code in red lettering in the Failed Connections field. To view all retrieved information, select the Reports menu and then select Information Retrieved. Please refer to Section 9 of this manual for more information on the Reports Menu.

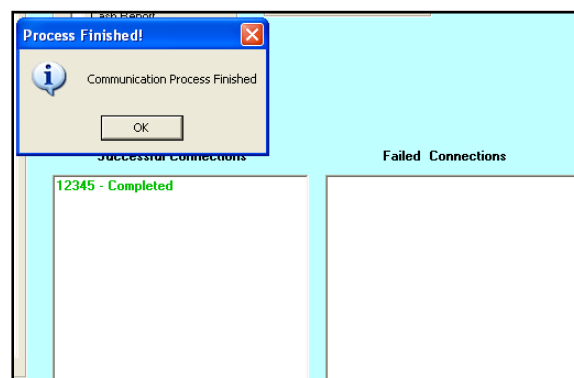


Fig. 8.10

8.3 Work Online

The Work Online feature provides multiple configuration options for the XLV system you are connected to. In general these settings are set up at the time of the install by a field service technician and do not require any changes afterwards. **To use the Work Online feature, you must have Edge Plus software.**

- 1) Select the **Communication Menu** and then select **Work Online** (Fig. 8.11).

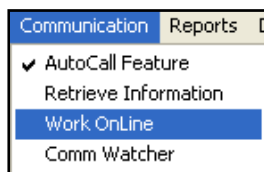


Fig. 8.11

- 2) Using the drop down box, select the system that you want to connect with (Fig. 8.12).

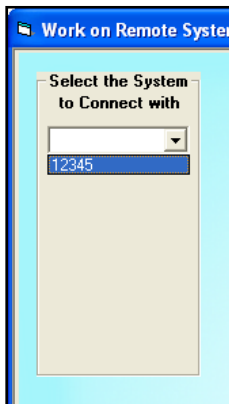


Fig. 8.12

- 3) Once you are successfully connected to the system, the following screen will be displayed (Fig. 8.13). There are 3 tabs to select from the Work Online screen: Devices, Users, and Cash Boxes.

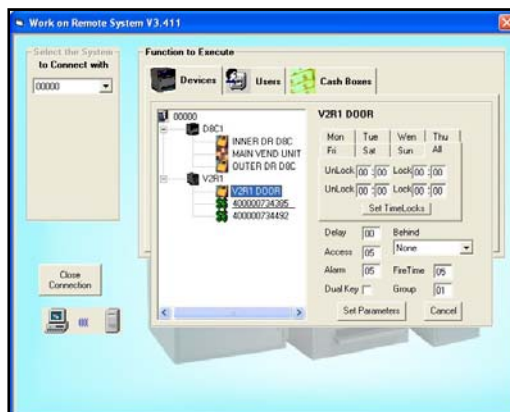


Fig. 8.13

Devices Tab

- The Devices tab will list all the safes on the system you are connected to as well as each individual lock and bill reader that a safe has. You may rename any device, although this is usually done by a field technician at the time of install.
- Selecting a lock from the list will open up the timer options for that particular lock (Fig. 8.14). Simply select “Set Parameters” to apply any changes that were made

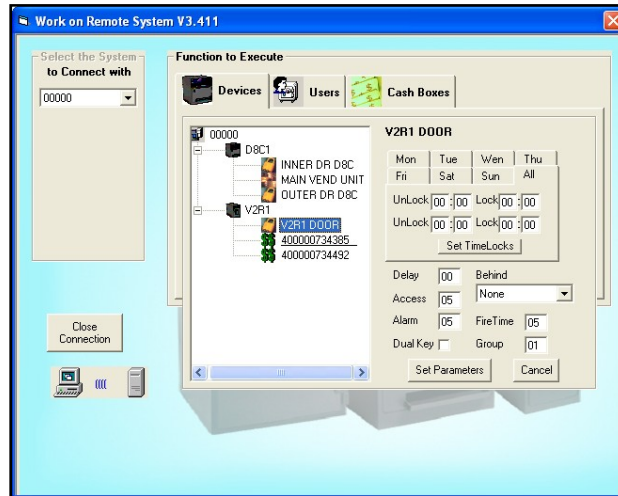


Fig. 8.14

- Selecting the serial number at the top of the list will open up a series of additional series of tabs with more options (Fig 8.15).

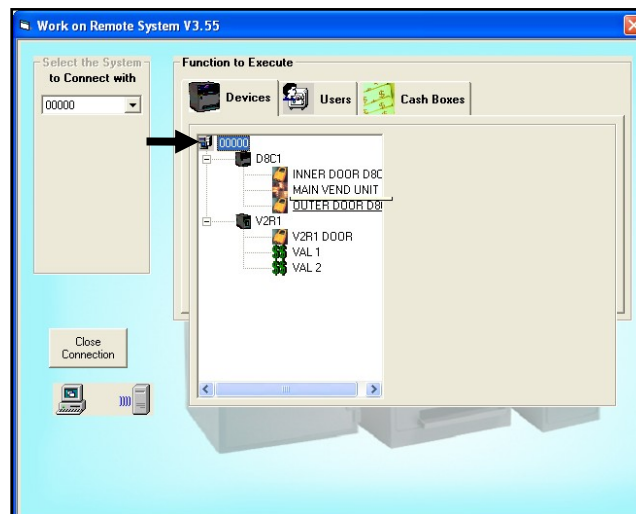


Fig. 8.15

- The four tabs now available are: System, Site, Permissions, and Groups.

➤ **System**

The System tab provides general options for the system including PIN Code timers, End of Day options, and Daylight Savings Time options (Fig. 8.16)

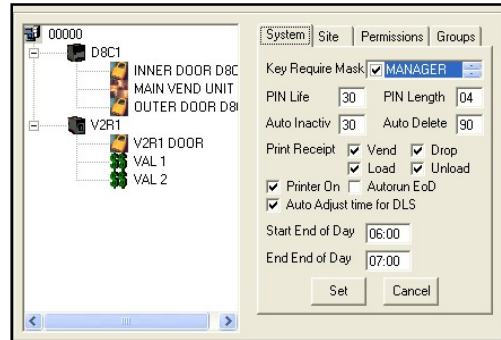


Fig. 8.16

➤ **Site**

The Site Tab allows you to adjust the idle text displayed, the site number, and the date and time of the system (Fig. 8.17).

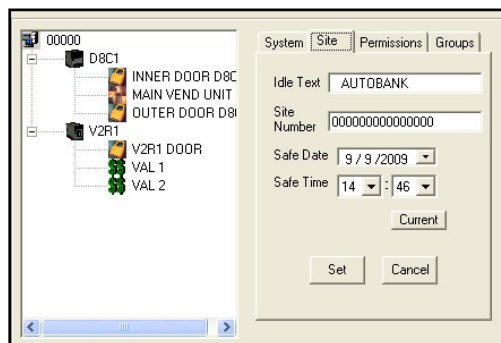


Fig. 8.17

➤ **Permissions**

The Permissions tab allows you to change the name of the User levels and customize each group's permissions (Fig. 8.18).

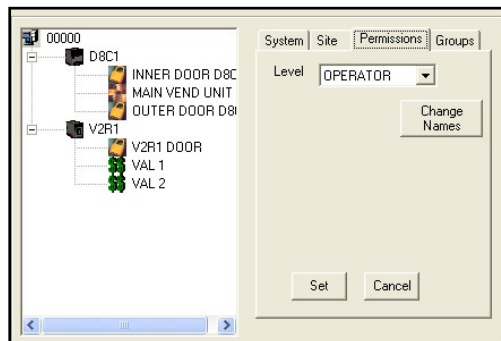


Fig. 8.18

➤ Groups

The Groups tab allows you to assign groups to each User level (Fig. 8.19).

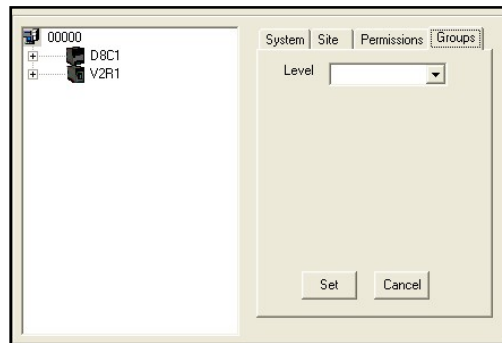


Fig. 8.19

Users Tab

- The Users tab allows you to enroll new users, inactivate users, or delete users (Fig. 8.20).

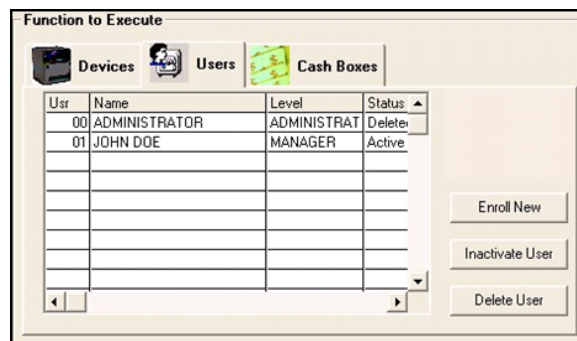


Fig. 8.20

- When enrolling a new user, the set up screen will appear. The available user options are Name, SSN, Authorization Level, Keyless User, and Key Number (Fig. 8.21)

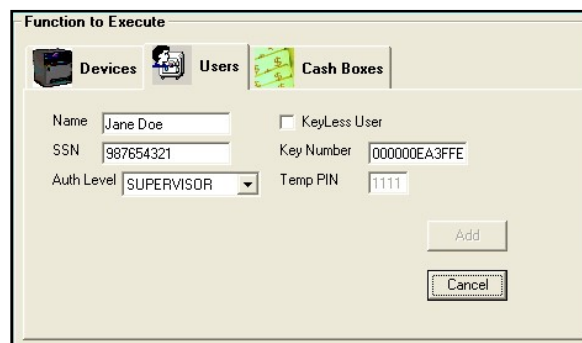


Fig. 8.21

Cash Boxes Tab

- The Cash Boxes Tab is an advanced feature usually reserved for use by a field technician and therefore will not be covered in this manual.

8.4 Comm Watcher

The Comm Watcher feature will only be used at the request of FireKing Technical Support for the purposes of diagnosing communication issues. Because of this, the details of its use will not be covered in this manual.

9. Reports Menu

The Reports Menu allows you to check the status of your Auto Calls, manage your Auto Call information, and manage any retrieved information.

9.1 AutoCalls Status

This feature allows you to check the previous or current status of your Auto Calls. To use this feature:

- 1) Select the **Reports menu** and then select **AutoCalls Status** (Fig. 9.1).

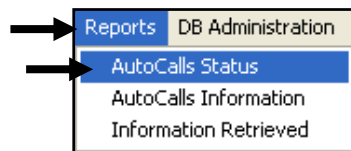


Fig. 9.1

- 2) To check the previous status of a location, first select the **Previous** option and then select the date of the Auto Call(s) you want to check. A list of all the Auto Calls that were attempted on the selected date will be displayed (Fig. 9.2). If the safe called in without any issues, its serial number will be displayed under the **Successful** column. If the safe did not call in as scheduled, its serial number will be displayed in the **Unsuccessful** column.

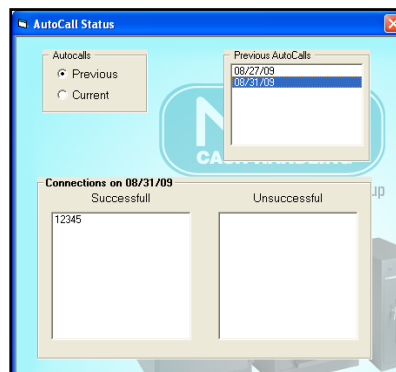


Fig. 9.2

- 3) To check the current status of your scheduled Auto Calls, select the **Current** option. A list of all the safes (by serial number) scheduled for Auto Calls will be displayed (Fig.

9.3). **Successful** indicates the safe has transmitted, while **Pending** indicates the safe has not called as of the time of the status check.



Fig. 9.3

9.2 Auto Calls Information

This feature allows you to retrieve information received from your Auto Calls. To use this feature:

- 1) Select the **Reports** menu and then select **Autocalls Information** (Fig. 9.4).

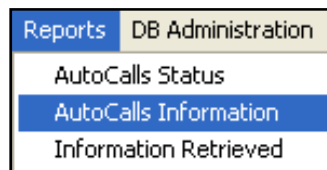


Fig. 9.4

- 2) A dialog box will appear with a list of systems and information about the reports (Fig. 9.5). Each Auto Call report is an Audit report covering the period since the last Auto Call. Select the date and then double left click any report to display the report on screen. Once displayed, the report may be printed or exported to HTM format.



Fig. 9.5

9.3 Information Retrieved

The Information Retrieved feature allows you to access any downloaded report, whether pulled manually or using the Auto Call feature. To use this feature:

- 1) Select the **Reports** menu and then select **Information Retrieved** (Fig. 9.6).

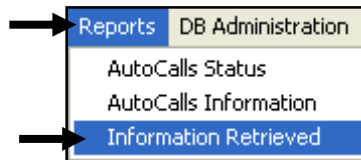


Fig. 9.6

- 2) Select the safe system from the **Safes** field (Fig. 9.7)

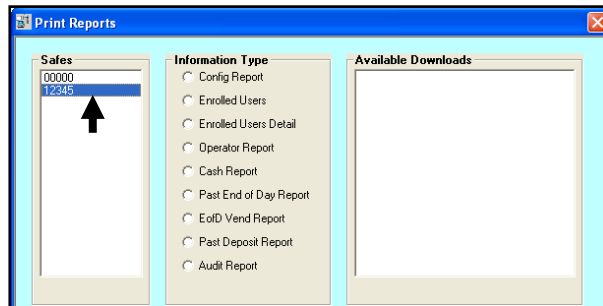


Fig. 9.7

- 3) Select the report to generate from the Information Type list and then select the date from the **Available Downloads** field (Fig. 9.8).

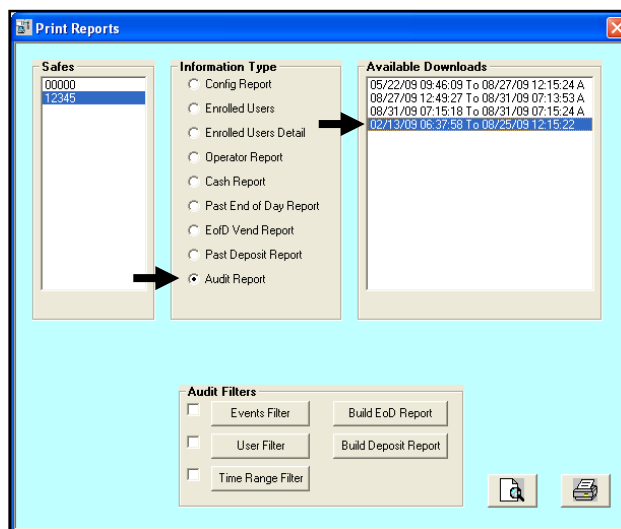


Fig. 9.8

- 4) Some reports allow you to filter the data being viewed. This field will be located at the bottom of the window once the information type has been selected (Fig. 9.9). The Build End of Day and Build Deposit Report options will also be available in this field. For more information on filters please refer to Section 11 of this manual.

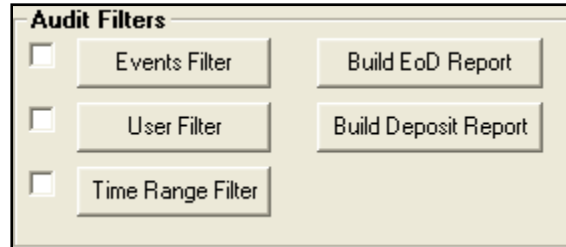


Fig. 9.9

- 5) Once you have selected the information type and applied the filters, select the **Preview** button to view the information (Fig. 9.10). The next screen allows you to print or export the data being viewed (Fig. 9.11).

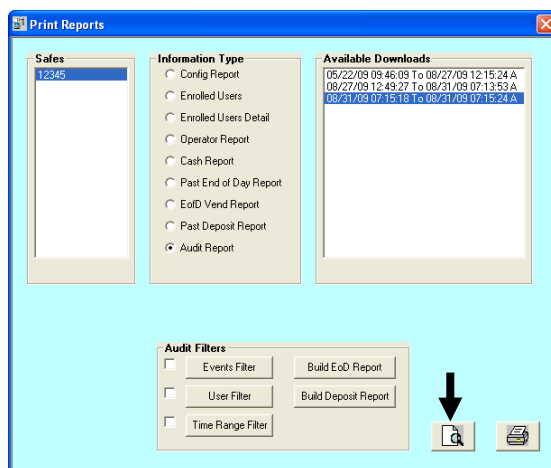


Fig. 9.10

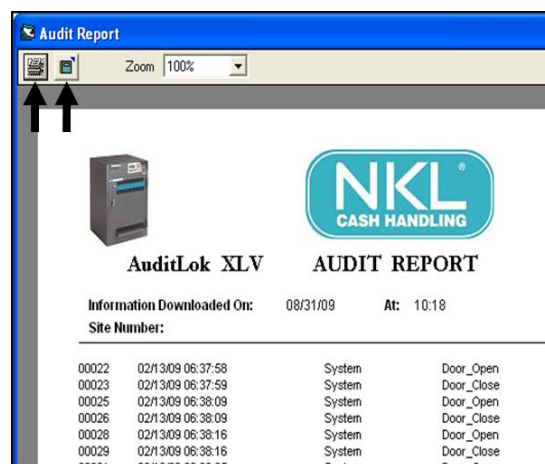


Fig. 9.11

10. DB Administration Menu

The DB (database) Administration Menu lets you manage the database that Edge uses to store and retrieve information. You may backup a database, remove safes from a database, and restore a previously backed up database in the event of data loss. This section will cover these menu options and procedures.

10.1 Backup DB

A back up of the database may be made at any point in time. It is recommended that you back up your data at regular intervals. To make a backup copy of your database:

- 1) Select the **Backup DB** option from the **DB Administration** menu (Fig. 10.1).

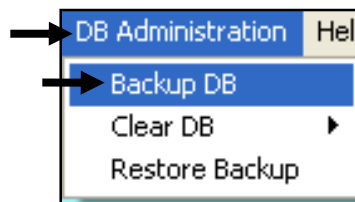


Fig. 10.1

- 2) Enter a file name and select the file location. Select **Save** to complete the process (Fig. 10.2).

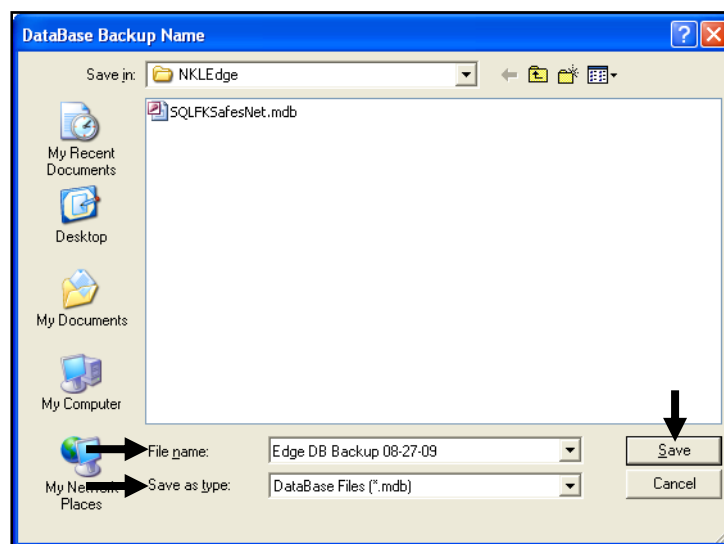


Fig. 10.2

10.2 Clear DB

The Clear DB option lets you remove systems from the database if desired. *Please keep in mind that this feature only removes systems and their associated reports and Auto Call information from the database. Groups or company information will remain in the database.* You may clear all systems at once or just remove particular systems:

- **Clear All Safes**

- 1) To remove all safes from the database, select the **Clear DB** option from the **DB Administration** menu and then select **All Safes** (Fig. 10.3). A warning message will appear asking if you would like to continue (Fig. 10.4). Select **Yes** to clear all safe information from the database.

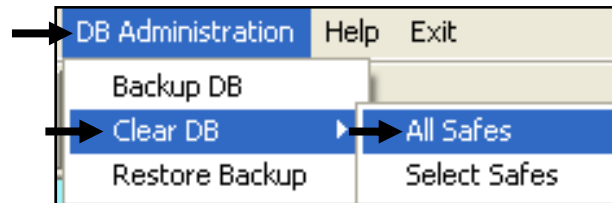


Fig. 10.3

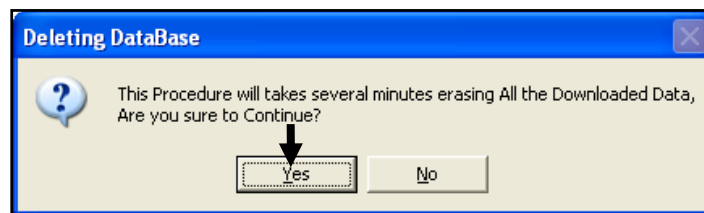


Fig. 10.4

- **Clear Selected Safes**

- 1) To clear specific safes from the database, select the **Clear DB** option from the **DB Administration** menu and then choose **Select Safes** (Fig. 10.5).

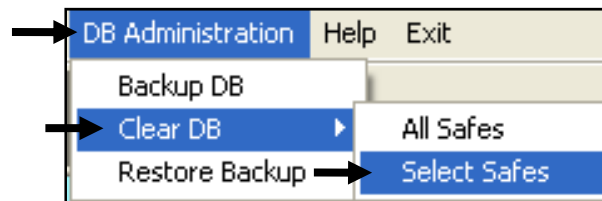


Fig. 10.5

- 2) Select the safes that you want to delete from the database from the Safes List. All values seen in the Safes List are the store numbers of the safes. Once you have

selected the safes you want to delete, select the **Clean** option to erase them from the database (Fig. 10.6).

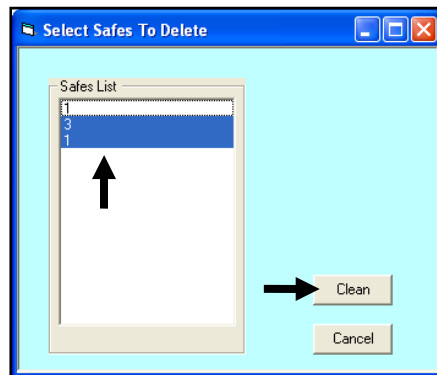


Fig 10.6

10.3 Restore DB

The Restore DB option lets you restore a previous backup of the systems database. *This feature will **permanently** overwrite whatever active database is being used and replace it with the backup database you choose.* To use the Restore DB feature:

- 1) Select the **Restore DB** option from the **DB Administration** menu (Fig. 10.7).

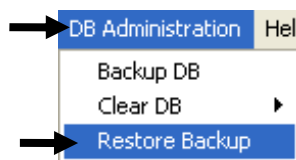


Fig. 10.7

- 2) Select the database that you want to restore and then select **Save** to complete the process (Fig. 10.8).

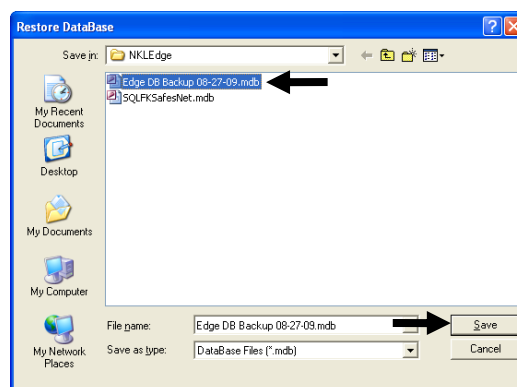


Fig 10.8

11. Filters

Filters may be used whenever you are using the Retrieve Information, AutoCalls Information, and Information Retrieved functions in Edge software. These filters can drastically reduce the length of a report and customize it so that only the information you need is displayed. The 3 types of filters in Edge software are: Event Filter, User Filter, and Time Range Filter. The following section will detail these filters.

11.1 Event Filter

The Event Filter contains a large number of customizable filter options (Fig. 11.1).

- You may use the All, Loss Prevention, Customer (if previously saved), or Accounting options at the bottom of the window to quickly select common filtering options.
- ***By selecting an option, you remove that information type from the reports you generate.***
- These options will be broken down by category and detailed. The Event Filter categories are: Cash, Doors, Users, Alarms, Reports and Settings.

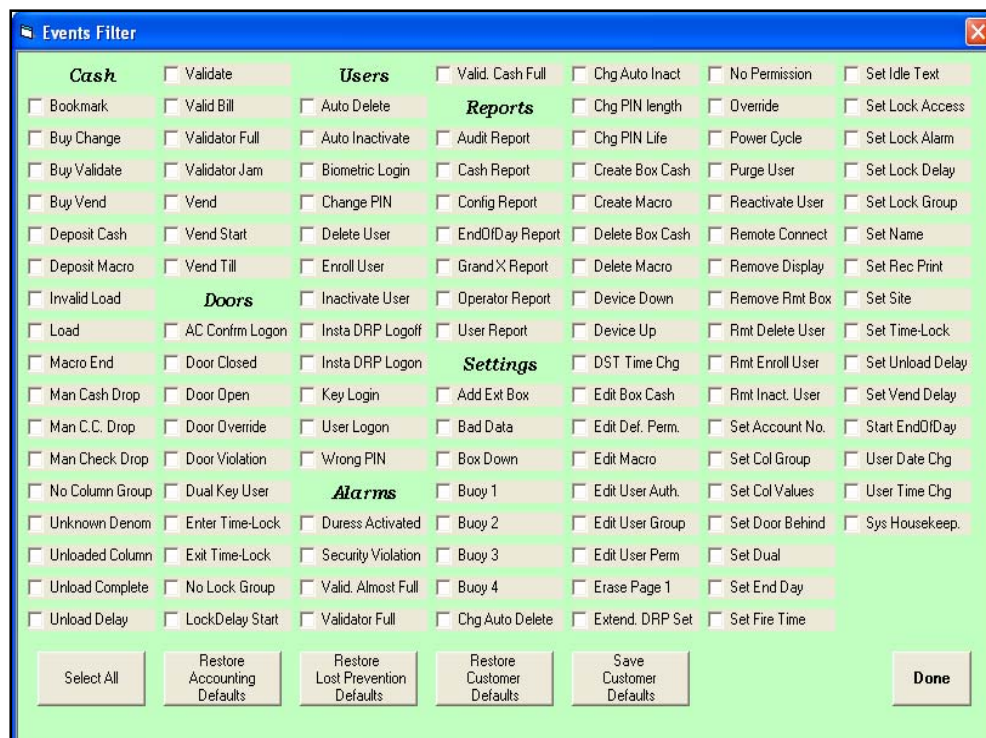


Fig. 11.1

Cash	
Option	Description\Instance
Bookmark	Bookmark is placed in a validator
Buy Change	Change is bought
Buy Validate	Amount fed into validator during buy change operation
Buy Vend	Amount vended during buy change operation
Deposit Cash	Total for a cash deposit
Deposit Macro	Total for a macro deposit
Invalid Load	User loaded a tube into a bin without logging In
Load	Tube loaded into safe
Macro End	Macro remove cash complete
Man Cash Drop	Manual cash envelope drop
Man C.C. Drop	Manual check envelope drop
Man Check Drop	Manual check envelope drop
No Column Group	User tried to vend from a column without access
Unknown Denom	Unknown bill validated
Unloaded Column	Column unload start
Unload Complete	Column unload ended
Unload Delay	Unload delay started
Validate	Validated drop
Valid Bill	Bill validated during extended drop
Validator Full	Validator cassette full
Validator Jam	Validator jammed
Vend	Tube vended
Vend Start	Tube vend started
Vend Till	Till vended

Doors	
Option	Description\Instance
AC Confm Logon	Armor Car confirmation by safe user
Door Closed	Door closed
Door Open	Door open
Door Override	Override to open door completed
Door Violation	Door left open too long
Dual Key User	Door required two users to open
Enter Time-Lock	Door entered Time-Lock
Exit Time-Lock	Door exited Time-Lock
No Lock Group	User tried to open door without access
Lock Delay Start	Door delay started

Users	
Option	Description\Instance
Auto Delete	User is auto-deleted
Auto Inactivate	User is auto-inactivated
Biometric Login	User logged in via bio reader
Change PIN	User PIN code is changed

Delete User	User is deleted
Enroll User	User is enrolled
Inactivate User	User is manually inactivated
Insta DRP Logoff	User logged off Insta-Drop button
Insta DRP Logon	User logged on to an Insta-Drop button
Key Login	User logged in via Dallas key
User Logon	User logged into the system
Wrong PIN	User entered the wrong PIN number

Alarms	
Option	Description\Instance
Duress Activated	User entered Duress Pin, Ex. Actual PIN 1111 Duress is 1112
Security Violation	Wrong PIN entered too many times
Valid. Almost Full	Validator cassette almost full (JCM Bulks)
Validator Full	Validator cassette full (JCM Bulks)
Valid. Cash Full	All cassettes for cash are Full (JCM Bulks)

Reports	
Option	Description\Instance
Audit Report	Audit Report Ran
Cash Report	Cash Report Ran
Config report	Config Report Ran
EndOfDay report	End of Day Ran
Grand X report	Grand X Ran
Operator Report	Operator Report Ran
User Report	User Info Report Ran

Settings	
Option	Description\Instance
Add Ext Box	Extended drop setup
Bad Data	Corrupt data packet received
Box Down	Box Down (Remote Safe Not Responding)
Buoy 1	Edge Use Only (Edge made a connection)
Buoy 2	Edge Use Only (Edge made a connection)
Buoy 3	Edge Use Only (Edge made a connection)
Buoy 4	Edge Use Only (Edge made a connection)
Chg Auto Delete	Auto-Delete month value changed
Chg Auto Inact	Auto-Inactivate month value changed
Chg Pin Length	PIN Length value changed
Chg PIN Life	PIN Life Days value changed
Create Box Cash	Box Cash created
Create macro	Macro created
Delete Box Cash	Box Cash deleted
Delete Macro	Macro deleted
Device Down	Safe down

Device Up	Safe up
DST Time Chg	DST changed
Edit Box Cash	Box Cash edited
Edit Def. Perm.	Default Permissions edited
Edit Macro	Macro edited
Edit User Auth.	User Authority edited
Edit User Group	User Group edited
Edit User Perm	User's Permissions edited
Erase Page 1	Unused (Legacy Product)
Extend. DRP Set	Extended Drop setup for user
No Permission	User tried to access area without permission
Override	Override used via Tech Support
Power Cycle	Power cycle
Purge User	User table purged
Reactivate User	User reactivated
Remote Connect	Edge connection established
Remove Display	Remote EPR removed
Remove Rmt Box	Remote Box (Safe) removed
Rmt Delete User	Edge deleted a user
Rmt Enroll User	Edge enrolled a user
Rmt Inact. User	Edge inactivated a user
Set Account No.	Account number edited
Set Col Group	Tube Column groups edited
Set Col Values	Tube Column values edited
Set Door Behind	Door's Behind value edited
Set Dual	Door set to dual key access
Set End Day	Auto End of Day set
Set Fire Time	Set door's fire time
Set Idle Text	Idle text edited
Set Lock Access	Lock Access Time edited in minutes
Set Lock Alarm	Lock Alarm Time edited in minutes
Set Lock Delay	Lock Delay Time edited in minutes
Set Lock Group	Lock's Group Value edited
Set Name	Set Device's name
Set Rec Print	Receipts that print value edited
Set Site	Site Number edited
Set Time-Lock	Set Lock's Time-Lock parameters
Set Unload Delay	Tube Unload Delay edited in minutes
Set Vend Delay	Tube Vend Delay edited in minutes
Start EndOfDay	End of Day started
User Date Chg	A user has changed the date
User Time Chg	A user has changed the time
Sys Housekeep.	Housekeeping completed (cleans up User Table)

11.2 Users Filter

The User filter allows you to filter out specific User's information. Simply select each individual user you want to remove from the viewed reports or select the **All** button to remove all Users information.

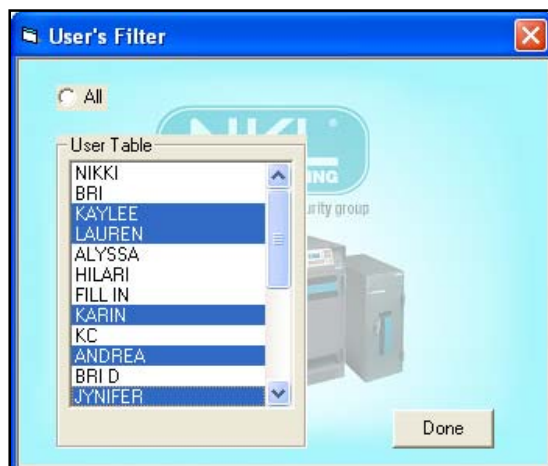


Fig. 11.2

11.3 Time Range Filter

The Time Range Filter allows you to filter out specific time ranges from the reports. To use this filter, simply choose a start date and time and an end date and time from the provided fields (Fig. 11.3).



Fig. 11.3